

09/837043

| L Number | Hits | Search Text | DB | Time stamp |
|----------|-------|--|-------|------------------|
| 3 | 1 | 5900886.URPN. | USPAT | 2003/05/20 07:01 |
| 6 | 7 | 5821910.URPN. | USPAT | 2003/05/20 07:02 |
| 7 | 48865 | ((computer or video or multimedia) same display) and controller | USPAT | 2003/05/20 07:13 |
| 8 | 46785 | ((computer or video or multimedia) same display) and controller) and @ad<20000928 | USPAT | 2003/05/20 07:13 |
| 9 | 0 | ((((computer or video or multimedia) same display) and controller) and @ad<20000928) and "bounded video signature analyzer" | USPAT | 2003/05/20 07:14 |
| 10 | 31 | ((((computer or video or multimedia) same display) and controller) and @ad<20000928) and "signature analyzer" | USPAT | 2003/05/20 07:32 |
| 11 | 736 | ((((computer or video or multimedia) same display) and controller) and @ad<20000928) and (underflow or starve or lockup or \$lock\$ or flicker or jitter) and vram and count and clock | USPAT | 2003/05/20 07:35 |
| 12 | 246 | ((((computer or video or multimedia) same display) and controller) and @ad<20000928) and (underflow or starve or lockup or deadlock or flicker or jitter) and vram and count and clock | USPAT | 2003/05/20 07:35 |
| 13 | 93 | (((((computer or video or multimedia) same display) and controller) and @ad<20000928) and (underflow or starve or lockup or deadlock or flicker or jitter) and vram and count and clock) and underflow | USPAT | 2003/05/20 07:35 |
| 14 | 0 | (((((computer or video or multimedia) same display) and controller) and @ad<20000928) and (underflow or starve or lockup or deadlock or flicker or jitter) and vram and count and clock) and underflow) and fifo and lockup | USPAT | 2003/05/20 07:36 |
| 15 | 0 | (((((computer or video or multimedia) same display) and controller) and @ad<20000928) and (underflow or starve or lockup or deadlock or flicker or jitter) and vram and count and clock) and fifo and lockup | USPAT | 2003/05/20 07:36 |
| 16 | 0 | (((((computer or video or multimedia) same display) and controller) and @ad<20000928) and (underflow or starve or lockup or deadlock or flicker or jitter) and vram and count and clock) and (fifo and lockup) | USPAT | 2003/05/20 07:36 |
| 17 | 0 | (((((computer or video or multimedia) same display) and controller) and @ad<20000928) and (underflow or starve or lockup or \$lock\$ or flicker or jitter) and vram and count and clock) and (fifo and lockup) | USPAT | 2003/05/20 07:37 |
| 18 | 287 | (((((computer or video or multimedia) same display) and controller) and @ad<20000928) and (underflow or starve or lockup or \$lock\$ or flicker or jitter) and vram and count and clock) and (fifo) | USPAT | 2003/05/20 07:37 |
| 19 | 244 | (((((computer or video or multimedia) same display) and controller) and @ad<20000928) and (underflow or starve or lockup or \$lock\$ or flicker or jitter) and vram and count and clock) and (fifo)) and (compare or difference or threshold or "less than" or "more than") | USPAT | 2003/05/20 07:38 |

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|----|-----|---|---|------------------|
| 20 | 238 | (((((computer or video or multimedia) same display) and controller) and @ad<20000928) and (underflow or starve or lockup or \$lock\$ or flicker or jitter) and vram and count and clock) and (fifo)) and (compare or difference or threshold or "less than" or "more than")) and register | USPAT | 2003/05/20 07:38 |
| 21 | 179 | (((((computer or video or multimedia) same display) and controller) and @ad<20000928) and (underflow or starve or lockup or \$lock\$ or flicker or jitter) and vram and count and clock) and (fifo)) and (compare or difference or threshold or "less than" or "more than")) and register) and host | USPAT | 2003/05/20 07:39 |
| 22 | 157 | ((((((computer or video or multimedia) same display) and controller) and @ad<20000928) and (underflow or starve or lockup or \$lock\$ or flicker or jitter) and vram and count and clock) and (fifo)) and (compare or difference or threshold or "less than" or "more than")) and register) and host) and logic | USPAT | 2003/05/20 07:39 |
| 23 | 131 | ((((((computer or video or multimedia) same display) and controller) and @ad<20000928) and (underflow or starve or lockup or \$lock\$ or flicker or jitter) and vram and count and clock) and (fifo)) and (compare or difference or threshold or "less than" or "more than")) and register) and host) and logic | USPAT | 2003/05/20 07:39 |
| 24 | 33 | ((((((computer or video or multimedia) same display) and controller) and @ad<20000928) and (underflow or starve or lockup or \$lock\$ or flicker or jitter) and vram and count and clock) and (fifo)) and (compare or difference or threshold or "less than" or "more than")) and register) and host) and logic" and "frame buffer" and (first adj7 counter) | USPAT | 2003/05/20 07:40 |
| 25 | 3 | ((((((computer or video or multimedia) same display) and controller) and @ad<20000928) and (underflow or starve or lockup or \$lock\$ or flicker or jitter) and vram and count and clock) and (fifo)) and (compare or difference or threshold or "less than" or "more than")) and register) and host) and logic" and "frame buffer" and (first adj7 counter) and (second adj4 counter) | USPAT | 2003/05/20 07:48 |
| 26 | 1 | (((((computer or video or multimedia) same display) and controller) and @ad<20000928) and (underflow or starve or lockup or \$lock\$ or flicker or jitter) and vram and count and clock) and (fifo)) and ("dual scan" and interleav\$3) | USPAT | 2003/05/20 07:50 |
| 27 | 12 | ((((computer or video or multimedia) same display) and controller) and @ad<20000928) and ("dual scan" and interleav\$3) | USPAT | 2003/05/20 07:50 |
| - | 2 | 5862150.pn. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/05/19 16:34 |
| - | 0 | (computer or video or multimedia or dsp or pda or cpu) and (buffer adj frame) and (raster same engine) and fifo and counter and pipeline and underflow and @ad<20000928 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/05/19 10:43 |

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|---|------|--|---|------------------|
| - | 3673 | (computer or video or multimedia or dsp or pda or cpu) and underflow and @ad<20000928 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/05/19 08:13 |
| - | 1204 | (computer or video or multimedia or dsp or pda or cpu) and ((rendering or render or raster or scan) adj engine) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/05/19 08:16 |
| - | 4 | ((computer or video or multimedia or dsp or pda or cpu) and ((rendering or render or raster or scan) adj engine)) and counter and logic and clock and underflow | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/05/19 08:15 |
| - | 4 | ((computer or video or multimedia or dsp or pda or cpu) and ((rendering or render or raster or scan) adj engine)) and counter and logic and clock and underflow) and @ad<20000928 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/05/19 08:16 |
| - | 3416 | (computer or multimedia or dsp or pda or cpu) and (render\$3 or raster\$3 or scan\$4) and (video adj4 controller) and @ad<20000928 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/05/19 08:38 |
| - | 124 | ((computer or multimedia or dsp or pda or cpu) and (render\$3 or raster\$3 or scan\$4) and (video adj4 controller) and @ad<20000928) and underflow | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/05/19 08:38 |
| - | 74 | ((computer or multimedia or dsp or pda or cpu) and (render\$3 or raster\$3 or scan\$4) and (video adj4 controller) and @ad<20000928) and underflow) and clock and fifo | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/05/19 08:38 |
| - | 8 | ((((computer or multimedia or dsp or pda or cpu) and (render\$3 or raster\$3 or scan\$4) and (video adj4 controller) and @ad<20000928) and underflow) and clock and fifo) and engine same (raster or render or scan) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/05/19 08:56 |
| - | 1 | ((computer or multimedia or dsp or pda or cpu) and (render\$3 or raster\$3 or scan\$4) and (video adj4 controller) and @ad<20000928) and ((engine adj4 (raster or render or scan)) same fifo) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/05/19 08:57 |
| - | 0 | ((computer or video or multimedia or dsp or pda or cpu) and underflow and @ad<20000928) and ((engine adj4 (raster or render or scan)) same fifo) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/05/19 08:57 |
| - | 251 | computer and ((render or graphics or scan) adj3 (engine or controller) same fifo) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/05/19 09:00 |
| - | 9 | ((computer and ((render or graphics or scan) adj3 (engine or controller) same fifo)) and (count same (pipeline or frame))) and underflow | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/05/19 09:04 |
| - | 9 | ((((computer and ((render or graphics or scan) adj3 (engine or controller) same fifo)) and (count same (pipeline or frame))) and underflow) and underflow) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/05/19 09:07 |

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| | | 0 | ((computer and ((render or graphics or scan) adj3 (engine or controller) same fifo)) and ((vram or "video ram" or "video-ram" or ((multiport or multi-port) adj3 dram)) same fifo)) and underflow and count and clock | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 09:13 |
| | | 1 | ((computer and ((render or graphics or scan) adj3 (engine or controller) same fifo)) and ((vram or "video ram" or "video-ram" or ((multiport or multi-port) adj3 dram)) same fifo)) and underflow | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 09:14 |
| | | 46 | ((computer and ((render or graphics or scan) adj3 (engine or controller) same fifo)) and underflow (computer and ((render or graphics or scan) adj3 (engine or controller) same fifo)) and (count same (pipeline or frame))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 09:22 |
| | | 29 | ((computer and ((render or graphics or scan) adj3 (engine or controller) same fifo)) and ((vram or "video ram" or "video-ram" or ((multiport or multi-port) adj3 dram)) same fifo)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 09:46 |
| | | 28 | ((computer and ((render or graphics or scan) adj3 (engine or controller) same fifo)) and ((vram or "video ram" or "video-ram" or ((multiport or multi-port) adj3 dram)) same fifo)) and @ad<20000928 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 09:33 |
| | | 8 | ((computer or video or multimedia or dsp or pda or cpu) and underflow and @ad<20000928) and ((vram or "video ram" or "video-ram" or ((multiport or multi-port) adj3 dram)) same fifo) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 10:35 |
| | | 1 | ((computer or video or multimedia or dsp or pda or cpu) and underflow and @ad<20000928) and (undeflow same (count or counter)) and fifo | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 10:36 |
| | | 3 | ((computer or video or multimedia or dsp or pda or cpu) and (buffer adj frame) and underflow and @ad<20000928) and (fifo same (vram or "video ram")) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 10:45 |
| | | 132 | (computer or video or multimedia or dsp or pda or cpu) and (buffer adj frame) and underflow and @ad<20000928 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 11:06 |
| | | 0 | ((computer or multimedia or dsp or pda or cpu) and (render\$3 or raster\$3 or scan\$4) and (video adj4 controller) and @ad<20000928) and "video underflow detection" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 11:07 |
| | | 0 | ((computer or video or multimedia or dsp or pda or cpu) and underflow and @ad<20000928) and "video underflow detection" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 11:07 |
| | | 0 | ((computer or multimedia or video) and "video underflow detection" and @ad<20000928) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 11:09 |
| | | 181 | ((computer or multimedia or video) and ("video controller" or "graphics adapter" or "graphics controller" or "video display adapter" or "display controller" or "display adapter") and ("shared bus" or "common bus") and (jitter or shift or flash or "blank outs") and @ad<20000928 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 12:19 |

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| | 0 | ((computer or multimedia or video) and ("video controller" or "graphics adapter" or "graphics controller" or "video display adapter" or "display controller" or "display adapter") and ("shared bus" or "common bus") and (jitter or shift or flash or "blank outs") and @ad<20000928) and "video underflow" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 11:16 |
| | 13 | ((computer or multimedia or video) and ("video controller" or "graphics adapter" or "graphics controller" or "video display adapter" or "display controller" or "display adapter") and ("shared bus" or "common bus") and (jitter or shift or flash or "blank outs") and @ad<20000928) and underflow | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 11:17 |
| | 16 | ((computer or multimedia or video) and ("video controller" or "graphics adapter" or "graphics controller" or "video display adapter" or "display controller" or "display adapter") and ("shared bus" or "common bus") and (jitter or shift or flash or "blank outs") and @ad<20000928) and ((underflow or starved or empty) same (raster\$3 or render\$3 or display\$3 or video or scan\$3)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 11:36 |
| - | 1 | 6092132.URPN. | USPAT | 2003/05/19 12:13 |
| - | 0 | 6489964.URPN. | USPAT | 2003/05/19 12:13 |
| - | 0 | 6489964.URPN. | USPAT | 2003/05/19 12:16 |
| - | 52 | ((computer or multimedia or video) and ("video controller" or "graphics adapter" or "graphics controller" or "video display adapter" or "display controller" or "display adapter") and ("shared bus" or "common bus") and (jitter or shift or flash or "blank outs") and @ad<20000928) and (underflow or starved or empty) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 12:25 |
| - | 22 | ((((computer or multimedia or video) and ("video controller" or "graphics adapter" or "graphics controller" or "video display adapter" or "display controller" or "display adapter") and ("shared bus" or "common bus") and (jitter or shift or flash or "blank outs") and @ad<20000928) and (underflow or starved or empty)) and fifo | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 12:20 |
| - | 713489 | (((((computer or multimedia or video) and ("video controller" or "graphics adapter" or "graphics controller" or "video display adapter" or "display controller" or "display adapter") and ("shared bus" or "common bus") and (jitter or shift or flash or "blank outs") and @ad<20000928) and (underflow or starved or empty)) and fifo) and count or counter | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 12:21 |
| - | 18 | (((((computer or multimedia or video) and ("video controller" or "graphics adapter" or "graphics controller" or "video display adapter" or "display controller" or "display adapter") and ("shared bus" or "common bus") and (jitter or shift or flash or "blank outs") and @ad<20000928) and (underflow or starved or empty)) and fifo) and (count or counter) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 12:21 |
| - | 202 | (computer or video or multimedia or dsp or pda or cpu) and ((rendering or render or raster or scan) adj engine)) and (underflow or starved or empty) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 12:25 |

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|--|----|--|--|------------------|
| | 29 | ((computer or video or multimedia or dsp or pda or cpu) and ((rendering or render or raster or scan) adj engine)) and (underflow or starved or empty)) and (fifo and count and "frame buffer") (US-6317803-\$ or US-6489964-\$ or US-6348919-\$ or US-5189636-\$ or US-6539054-\$ or US-6292908-\$ or US-6247084-\$ or US-6092132-\$ or US-5854638-\$ or US-5321750-\$ or US-5146592-\$ or US-4642794-\$ or US-4323896-\$ or US-6377265-\$ or US-6326964-\$ or US-6292194-\$ or US-6259460-\$ or US-6111584-\$ or US-5185599-\$).did. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT | 2003/05/19 12:26 |
| | 19 | ((US-6317803-\$ or US-6489964-\$ or US-6348919-\$ or US-5189636-\$ or US-6539054-\$ or US-6292908-\$ or US-6247084-\$ or US-6092132-\$ or US-5854638-\$ or US-5321750-\$ or US-5146592-\$ or US-4642794-\$ or US-4323896-\$ or US-6377265-\$ or US-6326964-\$ or US-6292194-\$ or US-6259460-\$ or US-6111584-\$ or US-5185599-\$).did.) and underflow | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 12:36 |
| | 6 | ((US-6317803-\$ or US-6489964-\$ or US-6348919-\$ or US-5189636-\$ or US-6539054-\$ or US-6292908-\$ or US-6247084-\$ or US-6092132-\$ or US-5854638-\$ or US-5321750-\$ or US-5146592-\$ or US-4642794-\$ or US-4323896-\$ or US-6377265-\$ or US-6326964-\$ or US-6292194-\$ or US-6259460-\$ or US-6111584-\$ or US-5185599-\$).did.) and underflow) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 14:02 |
| | 5 | ((US-6317803-\$ or US-6489964-\$ or US-6348919-\$ or US-5189636-\$ or US-6539054-\$ or US-6292908-\$ or US-6247084-\$ or US-6092132-\$ or US-5854638-\$ or US-5321750-\$ or US-5146592-\$ or US-4642794-\$ or US-4323896-\$ or US-6377265-\$ or US-6326964-\$ or US-6292194-\$ or US-6259460-\$ or US-6111584-\$ or US-5185599-\$).did.) and underflow) and pipeline | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 14:03 |
| | 4 | ((((US-6317803-\$ or US-6489964-\$ or US-6348919-\$ or US-5189636-\$ or US-6539054-\$ or US-6292908-\$ or US-6247084-\$ or US-6092132-\$ or US-5854638-\$ or US-5321750-\$ or US-5146592-\$ or US-4642794-\$ or US-4323896-\$ or US-6377265-\$ or US-6326964-\$ or US-6292194-\$ or US-6259460-\$ or US-6111584-\$ or US-5185599-\$).did.) and underflow) and pipeline) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 14:03 |
| | 3 | (((((US-6317803-\$ or US-6489964-\$ or US-6348919-\$ or US-5189636-\$ or US-6539054-\$ or US-6292908-\$ or US-6247084-\$ or US-6092132-\$ or US-5854638-\$ or US-5321750-\$ or US-5146592-\$ or US-4642794-\$ or US-4323896-\$ or US-6377265-\$ or US-6326964-\$ or US-6292194-\$ or US-6259460-\$ or US-6111584-\$ or US-5185599-\$).did.) and underflow) and pipeline) and host | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 14:03 |
| | 3 | (((((US-6317803-\$ or US-6489964-\$ or US-6348919-\$ or US-5189636-\$ or US-6539054-\$ or US-6292908-\$ or US-6247084-\$ or US-6092132-\$ or US-5854638-\$ or US-5321750-\$ or US-5146592-\$ or US-4642794-\$ or US-4323896-\$ or US-6377265-\$ or US-6326964-\$ or US-6292194-\$ or US-6259460-\$ or US-6111584-\$ or US-5185599-\$).did.) and underflow) and pipeline) and host) and counter | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 14:03 |
| | 3 | ((((((US-6317803-\$ or US-6489964-\$ or US-6348919-\$ or US-5189636-\$ or US-6539054-\$ or US-6292908-\$ or US-6247084-\$ or US-6092132-\$ or US-5854638-\$ or US-5321750-\$ or US-5146592-\$ or US-4642794-\$ or US-4323896-\$ or US-6377265-\$ or US-6326964-\$ or US-6292194-\$ or US-6259460-\$ or US-6111584-\$ or US-5185599-\$).did.) and underflow) and pipeline) and host) and counter) and fifo | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 14:08 |

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|--|-----|---|---|------------------|
| | 592 | ((computer or multimedia or video) and (graphics or render\$3 or raster\$3) and FIFO and vram and @ad<20000928) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 16:35 |
| | 8 | ((computer or multimedia or video) and (graphics or render\$3 or raster\$3) and FIFO and vram and @ad<20000928) and ((underflow or starve or empty) same ((raster or frame or video) adj memory)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 14:14 |
| | 0 | ((computer or multimedia or video) and (graphics or render\$3 or raster\$3) and FIFO and vram and @ad<20000928) and "first input counter" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 15:10 |
| | 0 | ((computer or multimedia or video) and (graphics or render\$3 or raster\$3) and FIFO and vram and @ad<20000928) and ("first counter" same input) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 15:12 |
| | 6 | ((computer or multimedia or video) and (graphics or render\$3 or raster\$3) and FIFO and vram and @ad<20000928) and (first adj7 counter) same input | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 15:43 |
| | 63 | ((computer or multimedia or video) and (graphics or render\$3 or raster\$3) and FIFO and vram and @ad<20000928) and (first adj7 counter) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 15:41 |
| | 1 | ((computer or multimedia or video) and (graphics or render\$3 or raster\$3) and FIFO and vram and @ad<20000928) and (first adj7 counter) same input) and cursor | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 15:45 |
| | 7 | ((computer or multimedia or video) and (graphics or render\$3 or raster\$3) and FIFO and vram and @ad<20000928) and "cursor image" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 16:02 |
| | 161 | ((computer or multimedia or video) and (graphics or render\$3 or raster\$3) and FIFO and vram and @ad<20000928) and "cursor" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 16:02 |
| | 0 | ((((computer or multimedia or video) and (graphics or render\$3 or raster\$3) and FIFO and vram and @ad<20000928) and "cursor") and pipeline) and counter) and "first count" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 16:03 |
| | 0 | ((((computer or multimedia or video) and (graphics or render\$3 or raster\$3) and FIFO and vram and @ad<20000928) and "cursor") and pipeline) and counter) and "second count" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 16:03 |
| | 0 | (((((computer or multimedia or video) and (graphics or render\$3 or raster\$3) and FIFO and vram and @ad<20000928) and "cursor") and pipeline) and counter) and "output counter") and "input counter") and ((underflow or starve or empty) near memory) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 16:05 |
| | 27 | (((((((computer or multimedia or video) and (graphics or render\$3 or raster\$3) and FIFO and vram and @ad<20000928) and "cursor") and pipeline) and counter) and "output counter") and "input counter") and ((underflow or starve or empty) same memory) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 16:05 |

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|---|----|--|---|------------------|
| - | 27 | (((((computer or multimedia or video) and (graphics or render\$3 or raster\$3) and FIFO and vram and @ad<20000928) and "cursor") and pipeline) and counter) and "output counter" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 16:11 |
| - | 61 | ((((computer or multimedia or video) and (graphics or render\$3 or raster\$3) and FIFO and vram and @ad<20000928) and "cursor") and pipeline) and counter | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 16:11 |
| - | 28 | (((((computer or multimedia or video) and (graphics or render\$3 or raster\$3) and FIFO and vram and @ad<20000928) and "cursor") and pipeline) and counter) and "output counter" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 16:29 |
| - | 0 | 734010.URPN. | USPAT | 2003/05/19 16:31 |
| - | 2 | 5862150.URPN. | USPAT | 2003/05/19 16:31 |
| - | 97 | ((computer or multimedia or video) and (graphics or render\$3 or raster\$3) and FIFO and vram and @ad<20000928) and "address counter" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 16:35 |
| - | 52 | ((computer or multimedia or video) and (graphics or render\$3 or raster\$3) and FIFO and vram and @ad<20000928) and "address counter") and pipeline | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 16:35 |
| - | 44 | (((((computer or multimedia or video) and (graphics or render\$3 or raster\$3) and FIFO and vram and @ad<20000928) and "address counter") and pipeline) and "frame buffer" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 16:36 |
| - | 0 | (((((computer or multimedia or video) and (graphics or render\$3 or raster\$3) and FIFO and vram and @ad<20000928) and "address counter") and pipeline) and "frame buffer") and (underflow or starve or empty)) and lockup | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 16:36 |
| - | 0 | ((computer or multimedia or video) and (graphics or render\$3 or raster\$3) and FIFO and vram and @ad<20000928) and "address counter") and lockup | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 16:37 |
| - | 1 | ((computer or multimedia or video) and (graphics or render\$3 or raster\$3) and FIFO and vram and @ad<20000928) and lockup | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 16:37 |
| - | 36 | (((((computer or multimedia or video) and (graphics or render\$3 or raster\$3) and FIFO and vram and @ad<20000928) and "address counter") and pipeline) and "frame buffer") and (underflow or starve or empty) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 16:39 |
| - | 74 | ((computer or multimedia or video) and (graphics or render\$3 or raster\$3) and FIFO and vram and @ad<20000928) and "cursor") and pipeline | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 16:55 |
| - | 4 | "6195079" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 16:59 |
| - | 35 | "5068905" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/05/19 17:00 |
| - | 32 | 5068905.URPN. | USPAT | 2003/05/19 17:06 |
| - | 3 | 6348919.URPN. | USPAT | 2003/05/19 18:02 |

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|---|--|----|---------------|-------|------------------|
| - | | 0 | 6489964.URPN. | USPAT | 2003/05/19 18:06 |
| - | | 0 | 6489964.URPN. | USPAT | 2003/05/19 18:06 |
| - | | 2 | 6317803.URPN. | USPAT | 2003/05/19 18:11 |
| - | | 25 | 5189636.URPN. | USPAT | 2003/05/19 18:14 |
| - | | 0 | 6539054.URPN. | USPAT | 2003/05/19 18:18 |
| - | | 5 | 6247084.URPN. | USPAT | 2003/05/19 18:18 |
| - | | 28 | 4642794.URPN. | USPAT | 2003/05/20 07:10 |